

**REMARKS**

This paper is in response to the non-final official action of January 15, 2008, wherein (a) claims 1-15 were pending, (b) claims 3-7 and 14 were rejected under 35 USC 112, 2<sup>nd</sup> paragraph for alleged indefiniteness, (c) claims 1-4 and 6 were rejected under 35 USC 102(e) as allegedly anticipated by Lindenmeier US 6,917,340 ("Lindenmeier"), (d) claims 1, 2, 8, 10, 12, 13, and 15 were rejected under 35 USC 102(b) as allegedly anticipated by Ericsson Inc. WO 01/71846 A1 ("Ericsson"), (e) claims 1 and 2 were rejected under 35 USC 102(e) [sic – 102(b)] as allegedly anticipated by Davidson et al. US 4,138,681 or Chiron et al. US 3,991,625, (f) claims 7, 9, and 11 were rejected under 35 USC 103(a) as allegedly obvious over Lindenmeier or Ericsson in view of Abramo US 5,600,335, and (g) claim 14 was rejected under 35 USC 103(a) as allegedly obvious over Ericsson in view of Ohe et al. US 4,788,549.

Claim 5 was not rejected in view of the art.

By the foregoing, claim 1 has been amended to incorporate the limitations recited in claim 5, and claim 5 has been cancelled. Claims 1, 3, and 14 have been amended to address the indefiniteness issues raised with respect to claims 3, 5, and 14.

Reconsideration of the application, as amended, is solicited.

***Claim Rejections – 35 USC 112***

Claims 1, 3, and 14 have been amended to address the issues which formed the basis of the indefiniteness rejections of claims 3-7 and 14, without adding new matter. As a result, it is submitted that the indefiniteness rejections have been overcome, and an indication to that effect is solicited.

With respect to claim 14, the Examiner is unsure of the term "crossover network." Applicants submit that a crossover network may be a frequency mixer generally known by those skilled in the art as a device that outputs two frequency signal components in response to each of two input frequency signals, one output signal at the sum of the two input signal frequencies and one at the difference of the two input signal frequencies.

***Claim Rejections – 35 USC 102 and 103***

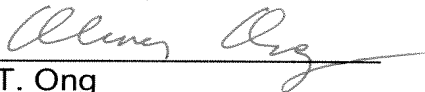
Claim 1 has been amended to recite the limitations introduced in claim 5, which was not rejected in view of the prior art. The limitations of intermediate claims 2-4 have not been added to claim 1, as they are not required for antecedent basis, and it is believed amended claim 1 patentably distinguishes over the art of record, as no art was cited and no art-based rejection was raised against claim 5 in the outstanding action.

In view thereof, it is believed claims 1-4 and 6-15 are of proper scope and form for allowance, and such action is solicited.

Should the examiner wish to discuss the foregoing, or any matter of form in an effort to advance this application toward allowance, he or she is urged to telephone the undersigned at the indicated number.

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Respectfully submitted,

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